

Name _____ Hour _____
Equations with Fractions and Variables on Both Sides

Solve each equation. You must show all inverse operations on both sides of the equal sign!!

1) $\frac{1}{4}x = 20$

2) $\frac{3}{5}c + 2 = 17$

3) $4 = 2 + \frac{1}{4}z$

4) $\frac{2}{3}x + 1 = 20$

5) $\frac{7}{8}m + 3 = 24$

6) $16 = \frac{5}{6}k - 4$

7) $-\frac{4}{5}x - 3 = 27$

8) $-\frac{1}{3}t - 8 = -22$

9) $-\frac{2}{7}n - 5 = -16$

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10) $-3c = 96 + c$

11) $7m = 5m - 24$

12) $8k + 36 = -4k$

13) $9n - 18 = 3n$

14) $-2m + 18 = 8m - 2$

15) $-4a - 6 = -7a + 6$

16) $-4m - 20 = -13m + 16$

17) $3e + 4 = -4e - 3$

18) $-10m - 7 = -2m + 9$